


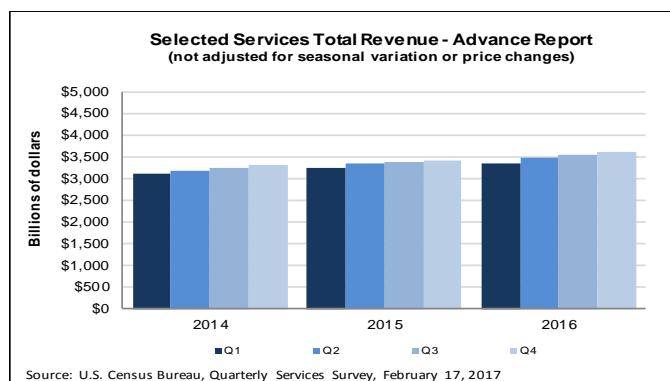
FOR RELEASE AT 10:00 AM EST, FRIDAY, FEBRUARY 17, 2017

QUARTERLY SELECTED SERVICES ESTIMATES, FOURTH QUARTER 2016 – ADVANCE REPORT

Release Number: CB17-24

February 17, 2017 — The U.S. Census Bureau announced the following selected services estimates for the fourth calendar quarter of 2016:

 SELECTED SERVICES TOTAL REVENUE – ADVANCE REPORT		
4Q 2016	\$3,617.5 billion	+2.4 %
3Q 2016 (revised)	\$3,533.1 billion	+1.8 %
Next release: March 9, 2017		
Data not adjusted for seasonal variation or price changes Source: U.S. Census Bureau, Quarterly Services Survey.		



Selected Services Total

Advance U.S. selected services total revenue for the fourth quarter of 2016, not adjusted for seasonal variation or price changes, was \$3,617.5 billion, an increase of 2.4 percent (± 0.4 percent) from the third quarter of 2016 and up 6.1 percent (± 0.6 percent) from the fourth quarter of 2015. The second quarter of 2016 to third quarter of 2016 percentage change was revised from the preliminary estimate of 1.6 percent (± 0.2 percent) to 1.8 percent (± 0.4 percent).

Utilities

Advance U.S. utilities revenue for the fourth quarter of 2016, not adjusted for seasonal variation or price changes, was \$141.0 billion, a decrease of 8.6 percent (± 1.5 percent) from the third quarter of 2016 and up 5.6 percent (± 1.5 percent) from the fourth quarter of 2015. The second quarter of 2016 to third quarter of 2016 percentage change was revised from the preliminary estimate of 20.2 percent (± 2.1 percent) to 20.1 percent (± 1.9 percent).

Transportation and warehousing

Advance U.S. transportation and warehousing revenue for the fourth quarter of 2016, not adjusted for seasonal variation or price changes, was \$224.3 billion, a decrease of 0.7 percent (± 0.8 percent)* from the third quarter of 2016 and up 2.2 percent (± 1.5 percent) from the fourth quarter of 2015. The second quarter of 2016 to third quarter of 2016 percentage change was revised from the preliminary estimate of 2.2 percent (± 0.4 percent) to 2.3 percent (± 0.6 percent).

Data Inquiries

Economic Indicators Division, Services Indicator Branch
301-763-2960
sssd.qss@census.gov

Media Inquiries

Public Information Office
301-763-3030
pio@census.gov



U.S. Department of Commerce
Economics and Statistics Administration
U.S. CENSUS BUREAU
census.gov

Information

Advance U.S. information sector revenue for the fourth quarter of 2016, not adjusted for seasonal variation or price changes, was \$391.3 billion, an increase of 7.7 percent (± 0.6 percent) from the third quarter of 2016 and up 4.3 percent (± 0.9 percent) from the fourth quarter of 2015. The second quarter of 2016 to third quarter of 2016 percentage change was revised from the preliminary estimate of 0.3 percent (± 0.6 percent)* to 0.4 percent (± 0.6 percent)*.

Finance and insurance

Advance U.S. finance and insurance revenue for the fourth quarter of 2016, not adjusted for seasonal variation or price changes, was \$1,091.0 billion, an increase of 0.8 percent (± 0.4 percent) from the third quarter of 2016 and up 5.3 percent (± 0.9 percent) from the fourth quarter of 2015. The second quarter of 2016 to third quarter of 2016 percentage change was revised from the preliminary estimate of 1.3 percent (± 0.8 percent) to 1.9 percent (± 1.1 percent).

Real estate and rental and leasing

Advance U.S. real estate and rental and leasing revenue for the fourth quarter of 2016, not adjusted for seasonal variation or price changes, was \$169.4 billion, an increase of 1.4 percent (± 1.5 percent)* from the third quarter of 2016 and up 8.1 percent (± 2.3 percent) from the fourth quarter of 2015. The second quarter of 2016 to third quarter of 2016 percentage change was revised from the preliminary estimate of 2.7 percent (± 0.8 percent) to 2.5 percent (± 0.8 percent).

Professional, scientific, and technical services

Advance U.S. professional, scientific, and technical services revenue for the fourth quarter of 2016, not adjusted for seasonal variation or price changes, was \$449.5 billion, an increase of 3.8 percent (± 1.3 percent) from the third quarter of 2016 and up 6.2 percent (± 2.3 percent) from the fourth quarter of 2015. The second quarter of 2016 to third quarter of 2016 percentage change was revised from the preliminary estimate of -0.3 percent (± 0.9 percent)* to -0.5 percent (± 0.9 percent)*.

Administrative and support and waste management and remediation services

Advance U.S. administrative and support and waste management and remediation services revenue for the fourth quarter of 2016, not adjusted for seasonal variation or price changes, was \$226.9 billion, an increase of 2.1 percent (± 1.1 percent) from the third quarter of 2016 and up 8.6 percent (± 1.9 percent) from the fourth quarter of 2015. The second quarter of 2016 to third quarter of 2016 percentage change was revised from the preliminary estimate of 2.5 percent (± 1.1 percent) to 2.7 percent (± 1.1 percent).

Educational services

Advance U.S. educational services revenue for the fourth quarter of 2016, not adjusted for seasonal variation or price changes, was \$16.2 billion, an increase of 0.1 percent (± 2.5 percent)* from the third quarter of 2016 and up 4.7 percent (± 3.8 percent) from the fourth quarter of 2015. The second quarter of

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2016 to third quarter of 2016 percentage change was revised from the preliminary estimate of -7.2 percent (± 2.3 percent) to -8.3 percent (± 1.7 percent).

Health care and social assistance

Advance U.S. health care and social assistance revenue for the fourth quarter of 2016, not adjusted for seasonal variation or price changes, was \$630.5 billion, an increase of 4.3 percent (± 1.1 percent) from the third quarter of 2016 and up 7.0 percent (± 1.9 percent) from the fourth quarter of 2015. The second quarter of 2016 to third quarter of 2016 percentage change was revised from the preliminary estimate of -1.5 percent (± 0.9 percent) to -1.3 percent (± 0.9 percent).

Arts, entertainment, and recreation

Advance U.S. arts, entertainment, and recreation revenue for the fourth quarter of 2016, not adjusted for seasonal variation or price changes, was \$67.7 billion, an increase of 1.3 percent (± 3.2 percent)* from the third quarter of 2016 and up 10.1 percent (± 3.4 percent) from the fourth quarter of 2015. The second quarter of 2016 to third quarter of 2016 percentage change was revised from the preliminary estimate of 7.0 percent (± 3.0 percent) to 7.2 percent (± 3.0 percent).

Accommodation

Advance U.S. accommodation revenue for the fourth quarter of 2016, not adjusted for seasonal variation or price changes, was \$58.6 billion, a decrease of 9.3 percent (± 0.9 percent) from the third quarter of 2016 and up 5.4 percent (± 2.5 percent) from the fourth quarter of 2015. The second quarter of 2016 to third quarter of 2016 percentage change was revised from the preliminary estimate of 6.5 percent (± 1.9 percent) to 3.3 percent (± 1.7 percent).

Other services (except public administration)

Advance U.S. other services (except public administration) revenue for the fourth quarter of 2016, not adjusted for seasonal variation or price changes, was \$151.2 billion, an increase of 13.2 percent (± 1.7 percent) from the third quarter of 2016 and up 11.9 percent (± 2.5 percent) from the fourth quarter of 2015. The second quarter of 2016 to third quarter of 2016 percentage change was revised from the preliminary estimate of 2.5 percent (± 2.1 percent) to 3.9 percent (± 1.7 percent).

Notes

The Advance Quarterly Services Report contains current quarter not seasonally adjusted estimates of revenue for a subset of industries found in the Full Quarterly Services Report. In addition, not seasonally adjusted estimates for all items and industry levels have been revised to reflect historical corrections and results of the 2015 Service Annual Survey and Annual Retail Trade Survey and are available here www.census.gov/econ/currentdata/?programCode=QSS. Revised seasonally adjusted estimates reflecting historical corrections, new seasonal factors, and results of the 2015 Service Annual Survey and

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Annual Retail Trade Survey will be available with the March 2017 release. For more information on the Advance Quarterly Services Report, please visit www.census.gov/services/qss/advance_services_faqs.html.

Sample Revision

Effective with the November 2017 release for the third quarter of 2017, quarterly services estimates will be based on a new sample and published on a 2012 North American Industry Classification System (NAICS) basis. For more information on the new sample or the impact of adopting the 2012 NAICS definitions, visit www.census.gov/services/qss/faqs.

America's Economy Mobile App

The America's Economy app provides real-time updates for 19 key economic indicators released from the Census Bureau, Bureau of Labor Statistics, and Bureau of Economic Analysis. www.census.gov/mobile/economy/

API

The Census Bureau's application programming interface lets developers create custom apps to reach new users and makes key demographic, socio-economic and housing statistics more accessible than ever before. www.census.gov/developers/

Upcoming Format Changes

With the release of the Quarterly Services Report on March 9, 2017, the presentation of the release will change. The text portion of the release will be removed from Excel and reformatted. The layout and format of the tables is not currently changing, though some explanatory notes may move to the text portion of the document. The full text and tables will be available as a PDF, with the tables available separately in Excel. For more information and a preview of the new format, visit www.census.gov/services. The Advance Quarterly Services Report already uses these new formats.

Release Schedule

The fourth quarter 2016 Quarterly Services Report is scheduled for release on March 9, 2017, at 10:00 A.M. EST. View the full schedule in the Economic Briefing Room: www.census.gov/economic-indicators/.

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*The 90 percent confidence interval includes zero. There is insufficient evidence to conclude that the actual change is different from zero.

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Table A1. Selected Services - Advance Estimated Quarterly Revenue for Employer Firms, Not Seasonally Adjusted

[Estimates are not adjusted for seasonal variation or for price changes and are based on data from the Quarterly Services Survey.]

For additional information see www.census.gov/services

2007 NAICS code ¹	Kind of business	Total revenue (millions of dollars)				Percent change		
		4Q 2016 (a)	3Q 2016 (r)	4Q 2015 (r)	3Q 2015 (r)	4Q 2016 from 3Q 2016 (a)	4Q 2015 from 3Q 2015 (r)	4Q 2016 from 4Q 2015 (a)
	Selected Services Total²	3,617,524	3,533,145	3,409,991	3,357,931	2.4	1.6	6.1
22	Utilities³	140,965	154,305	133,470	151,154	-8.6	-11.7	5.6
48-49	Transportation and warehousing⁴	224,259	225,927	219,505	227,676	-0.7	-3.6	2.2
481	Air transportation	47,975	52,066	48,404	53,453	-7.9	-9.4	-0.9
483	Water transportation	10,651	12,166	10,664	12,188	-12.5	-12.5	-0.1
484	Truck transportation	66,206	68,053	66,175	69,461	-2.7	-4.7	Z
485	Transit and ground passenger transportation	9,044	7,706	8,628	7,563	17.4	14.1	4.8
488	Support activities for transportation	47,456	45,356	44,997	46,001	4.6	-2.2	5.5
492	Couriers and messengers	22,205	20,067	20,978	19,126	10.7	9.7	5.8
493	Warehousing and storage	8,659	8,435	7,979	7,762	2.7	2.8	8.5
51	Information	391,342	363,301	375,238	345,192	7.7	8.7	4.3
511	Publishing industries (except Internet)	80,682	71,572	78,989	70,814	12.7	11.5	2.1
5112	Software publishers	57,153	47,459	54,457	46,207	20.4	17.9	5.0
512	Motion picture and sound recording industries	27,707	24,863	27,631	23,654	11.4	16.8	0.3
517	Telecommunications	157,464	153,287	154,821	149,510	2.7	3.6	1.7
5171	Wired telecommunications carriers	80,146	78,824	79,008	75,774	1.7	4.3	1.4
5172	Wireless telecommunications carriers (except satellite)	66,279	63,870	65,216	63,352	3.8	2.9	1.6
518	Data processing, hosting, and related services	37,898	35,922	34,913	32,507	5.5	7.4	8.5
519	Other information services	45,010	38,785	38,493	32,680	16.1	17.8	16.9
52	Finance and insurance⁵	1,090,993	1,081,828	1,036,087	1,021,329	0.8	1.4	5.3
522	Credit intermediation and related activities	294,887	295,295	280,396	277,717	-0.1	1.0	5.2
524	Insurance carriers and related activities	620,429	610,385	584,991	570,573	1.6	2.5	6.1
53	Real estate and rental and leasing	169,414	167,119	156,649	156,123	1.4	0.3	8.1
531	Real estate	118,199	116,585	106,732	106,910	1.4	-0.2	10.7
532	Rental and leasing services	39,775	40,978	39,111	39,361	-2.9	-0.6	1.7
54	Professional, scientific, and technical services⁶	449,457	432,912	423,027	413,683	3.8	2.3	6.2
5411	Legal services ⁶	83,706	71,527	77,280	72,467	17.0	6.6	8.3
5412	Accounting, tax preparation, bookkeeping, and payroll services	37,860	38,894	35,599	36,203	-2.7	-1.7	6.4
5413	Architectural, engineering, and related services	78,697	77,228	74,391	73,954	1.9	0.6	5.8
5415	Computer systems design and related services	91,346	92,245	88,040	86,806	-1.0	1.4	3.8
5416	Management, scientific, and technical consulting services	66,544	64,391	62,157	60,544	3.3	2.7	7.1
5418	Advertising, public relations, and related services	26,902	26,117	25,855	24,679	3.0	4.8	4.0
56	Administrative and support and waste management and remediation services	226,880	222,186	208,865	207,818	2.1	0.5	8.6
561	Administrative and support services	203,838	198,739	186,587	185,021	2.6	0.8	9.2
562	Waste management and remediation services	23,042	23,447	22,278	22,797	-1.7	-2.3	3.4
61	Educational services⁷	16,176	16,157	15,446	15,302	0.1	0.9	4.7
62	Health care and social assistance	630,534	604,410	589,470	574,124	4.3	2.7	7.0
	Health care and social assistance - taxable	311,177	300,931	293,531	288,481	3.4	1.8	6.0
	Health care and social assistance - tax-exempt	319,357	303,479	295,939	285,643	5.2	3.6	7.9
621	Ambulatory health care services	250,663	241,000	235,600	231,664	4.0	1.7	6.4
	Ambulatory health care services - taxable	226,315	217,370	212,587	209,783	4.1	1.3	6.5
	Ambulatory health care services - tax-exempt	24,348	23,630	23,013	21,881	3.0	5.2	5.8
6211	Offices of physicians	124,907	118,120	117,029	114,396	5.7	2.3	6.7
6214	Outpatient care centers	33,954	32,883	30,940	29,693	3.3	4.2	9.7
6215	Medical and diagnostic laboratories	12,520	12,121	12,026	11,917	3.3	0.9	4.1
6219	Other ambulatory health care services	9,030	8,719	8,574	8,569	3.6	0.1	5.3
622	Hospitals	272,510	261,757	253,016	247,039	4.1	2.4	7.7
	Hospitals - taxable	33,351	32,799	32,277	30,660	1.7	5.3	3.3
	Hospitals - tax-exempt	239,159	228,958	220,739	216,379	4.5	2.0	8.3
623	Nursing and residential care facilities	60,777	59,123	57,212	56,029	2.8	2.1	6.2
	Nursing and residential care facilities - taxable	39,015	38,292	36,684	36,252	1.9	1.2	6.4
	Nursing and residential care facilities - tax-exempt	21,762	20,831	20,528	19,777	4.5	3.8	6.0
624	Social assistance	46,584	42,530	43,642	39,392	9.5	10.8	6.7
71	Arts, entertainment, and recreation	67,737	66,848	61,497	62,567	1.3	-1.7	10.1
711	Performing arts, spectator sports, and related industries	32,565	29,673	29,654	27,569	9.7	7.6	9.8
712	Museums, historical sites, and similar institutions	4,419	4,075	4,078	3,801	8.4	7.3	8.4
713	Amusement, gambling, and recreation industries	30,753	33,100	27,765	31,197	-7.1	-11.0	10.8
721	Accommodation	58,564	64,556	55,584	62,217	-9.3	-10.7	5.4
81	Other services (except public administration)⁸	151,203	133,596	135,153	120,746	13.2	11.9	11.9
811	Repair and maintenance	40,071	40,907	39,827	41,267	-2.0	-3.5	0.6
812	Personal and laundry services	28,398	27,669	26,415	25,351	2.6	4.2	7.5

Table A1. Selected Services - Advance Estimated Quarterly Revenue for Employer Firms, Not Seasonally Adjusted

[Estimates are not adjusted for seasonal variation or for price changes and are based on data from the Quarterly Services Survey.]

For additional information see www.census.gov/services]

2007 NAICS code ¹	Kind of business	Total revenue (millions of dollars)				Percent change		
		4Q 2016 (a)	3Q 2016 (r)	4Q 2015 (r)	3Q 2015 (r)	4Q 2016 from 3Q 2016 (a)	4Q 2015 from 3Q 2015 (r)	4Q 2016 from 4Q 2015 (a)

(a) Advance estimate. (r) Revised estimate. Z Absolute value is less than .05.

(1) For a full description of the NAICS (North American Industry Classification System) codes used in this table, see the 2007 NAICS manual or www.census.gov/eos/www/naics/.

(2) Includes NAICS 22 (Utilities), NAICS 48-49 (Transportation and warehousing), NAICS 51 (Information), NAICS 52 (Finance and insurance), NAICS 53 (Real estate and rental and leasing), NAICS 54 (Selected professional, scientific, and technical services), NAICS 56 (Administrative and support and waste management and remediation services), NAICS 61 (Educational services), NAICS 62 (Health care and social assistance), NAICS 71 (Arts, entertainment, and recreation), NAICS 721 (Accommodation), and NAICS 81 (Other services (except public administration)). Exclusions listed in footnotes 3, 4, 5, 6, 7, and 8 also apply to the Selected Services Total.

(3) Excludes government owned utilities.

(4) Excludes NAICS 482 (Rail transportation) and 491 (Postal service).

(5) Excludes NAICS 525 (Funds, trusts, and other financial vehicles).

(6) Excludes NAICS 54112 (Offices of notaries).

(7) Excludes NAICS 6111 (Elementary and secondary schools), 6112 (Junior colleges), and 6113 (Colleges, universities, and professional schools).

(8) Excludes NAICS 8131 (Religious organizations), 81393 (Labor unions and similar labor organizations), 81394 (Political organizations), and 814 (Private households).

Note: Estimates cover taxable and tax-exempt firms unless otherwise specified. Additionally, estimates for some sectors and subsectors may include data for kinds of business not shown. Table A2 provides estimated measures of sampling variability. Data users who create their own estimates using data from this report should cite the U.S. Census Bureau as the source of the original data only. Additional information on confidentiality protection, sampling error, nonsampling error, sample design, and definitions may be found at www.census.gov/services/qss/cv.html. For NAICS 52, estimates may include unrealized gains (losses).

Table A2. Selected Services - Advance Estimated Measures of Sampling Variability

[Estimates are not adjusted for seasonal variation or for price changes and are based on data from the Quarterly Services Survey.]

For additional information see www.census.gov/services]

2007 NAICS code	Kind of business	Coefficient of variation for total revenue				Standard error for percent change		
		4Q 2016 (a)	3Q 2016 (r)	4Q 2015 (r)	3Q 2015 (r)	4Q 2016 from 3Q 2016 (a)	4Q 2015 from 3Q 2015 (r)	4Q 2016 from 4Q 2015 (a)
	Selected Services Total	1.3	1.4	1.5	1.4	0.2	0.1	0.3
22	Utilities	4.4	4.5	3.9	4.2	0.8	1.0	0.8
48-49	Transportation and warehousing	2.7	2.7	2.5	2.8	0.4	0.4	0.8
481	Air transportation	3.8	4.4	4.4	4.1	0.9	0.3	0.6
483	Water transportation	3.1	3.1	3.6	3.2	0.5	0.5	0.7
484	Truck transportation	7.6	7.9	7.5	8.2	0.5	1.4	2.1
485	Transit and ground passenger transportation	5.5	5.5	5.6	3.8	1.7	2.9	2.5
488	Support activities for transportation	6.4	5.9	5.1	5.1	1.1	1.1	2.3
492	Couriers and messengers	1.7	1.6	1.9	1.5	0.2	1.3	0.7
493	Warehousing and storage	6.8	6.0	4.5	5.9	1.4	2.9	3.4
51	Information	1.4	1.4	1.7	1.8	0.3	0.2	0.5
511	Publishing industries (except Internet)	5.3	4.6	4.9	4.3	0.9	0.7	1.0
5112	Software publishers	6.8	6.0	6.4	5.6	1.2	1.3	1.7
512	Motion picture and sound recording industries	3.9	3.2	4.2	3.7	1.7	1.6	1.4
517	Telecommunications	1.6	1.7	1.8	2.0	0.2	0.3	0.4
5171	Wired telecommunications carriers	3.2	3.4	3.5	3.7	0.3	0.4	0.3
5172	Wireless telecommunications carriers (except satellite)	2.4	2.6	2.7	2.9	0.2	0.3	0.7
518	Data processing, hosting, and related services	3.4	3.5	3.8	3.6	0.9	0.7	1.6
519	Other information services	3.8	3.1	3.9	4.1	0.9	0.7	2.4
52	Finance and insurance	5.0	4.8	4.6	4.4	0.2	0.4	0.5
522	Credit intermediation and related activities	4.3	4.4	4.6	4.3	0.4	0.5	1.0
524	Insurance carriers and related activities	7.5	7.1	6.7	6.6	0.4	0.6	1.1
53	Real estate and rental and leasing	5.1	5.4	4.5	5.5	0.8	1.1	1.2
531	Real estate	6.9	7.4	6.5	7.6	1.1	1.4	1.6
532	Rental and leasing services	4.5	3.9	4.4	4.3	1.1	0.8	1.3
54	Professional, scientific, and technical services	2.0	2.2	2.1	2.1	0.7	0.7	1.2
5411	Legal services	3.6	2.7	3.5	3.7	1.9	1.1	1.9
5412	Accounting, tax preparation, bookkeeping, and payroll services	3.4	4.8	4.6	3.9	1.7	2.1	1.5
5413	Architectural, engineering, and related services	5.5	5.1	4.6	4.6	1.1	1.4	3.3
5415	Computer systems design and related services	5.1	7.1	7.7	7.5	2.5	1.4	3.4
5416	Management, scientific, and technical consulting services	5.7	5.4	5.4	4.9	1.2	1.2	1.7
5418	Advertising, public relations, and related services	3.3	3.1	4.1	4.3	0.7	0.9	1.9
56	Administrative and support and waste management and remediation services	1.3	1.4	1.7	1.8	0.6	1.2	1.0
561	Administrative and support services	1.8	1.9	2.2	2.2	0.7	1.4	1.2
562	Waste management and remediation services	3.9	3.7	4.0	3.9	1.1	0.7	1.6
61	Educational services	5.0	4.8	4.8	5.3	1.3	2.7	2.0
62	Health care and social assistance	1.9	1.9	1.6	1.5	0.6	0.4	1.0
	Health care and social assistance - taxable	2.4	2.6	2.3	2.4	0.4	0.4	0.6
	Health care and social assistance - tax-exempt	3.0	2.5	2.5	2.2	1.1	0.6	1.6
621	Ambulatory health care services	1.8	2.1	1.7	1.8	0.4	0.4	0.7
	Ambulatory health care services - taxable	2.3	2.4	1.9	2.0	0.5	0.4	0.9
	Ambulatory health care services - tax-exempt	4.5	3.6	3.2	4.0	1.3	1.5	2.2
6211	Offices of physicians	5.3	5.8	4.8	4.9	1.1	0.9	1.6
6214	Outpatient care centers	4.3	3.3	3.0	3.4	1.2	1.0	2.1
6215	Medical and diagnostic laboratories	4.3	3.9	4.1	3.8	1.3	0.8	2.0
6219	Other ambulatory health care services	6.1	6.1	5.8	5.9	1.0	1.0	1.2
622	Hospitals	3.8	3.4	3.3	2.9	1.3	0.8	1.8
	Hospitals - taxable	10.6	10.8	10.4	9.6	0.2	1.4	0.5
	Hospitals - tax-exempt	4.1	3.4	3.4	3.0	1.5	0.8	2.1
623	Nursing and residential care facilities	4.6	4.9	4.7	5.0	1.2	0.9	1.3
	Nursing and residential care facilities - taxable	6.3	6.6	6.4	7.1	1.8	1.2	1.6
	Nursing and residential care facilities - tax-exempt	2.6	2.6	2.6	2.3	0.5	0.7	0.9
624	Social assistance	2.9	1.9	2.4	2.5	1.4	0.6	1.1
71	Arts, entertainment, and recreation	3.6	3.5	2.7	2.5	1.7	1.8	1.8
711	Performing arts, spectator sports, and related industries	4.4	3.9	4.5	3.0	2.2	2.9	2.1
712	Museums, historical sites, and similar institutions	4.5	5.0	3.0	5.7	2.5	5.8	4.3
713	Amusement, gambling, and recreation industries	5.4	5.3	4.6	4.1	1.9	1.1	1.9
721	Accommodation	3.1	3.5	3.3	3.3	0.5	0.9	1.3
81	Other services (except public administration)	2.4	2.0	2.3	2.3	0.9	2.0	1.3
811	Repair and maintenance	4.5	3.9	3.9	3.4	1.4	1.6	1.0
812	Personal and laundry services	4.1	4.3	3.6	4.3	1.1	1.5	1.4

Table A2. Selected Services - Advance Estimated Measures of Sampling Variability

[Estimates are not adjusted for seasonal variation or for price changes and are based on data from the Quarterly Services Survey.
For additional information see www.census.gov/services]

2007 NAICS code	Kind of business	Coefficient of variation for total revenue				Standard error for percent change		
		4Q 2016 (a)	3Q 2016 (r)	4Q 2015 (r)	3Q 2015 (r)	4Q 2016 from 3Q 2016 (a)	4Q 2015 from 3Q 2015 (r)	4Q 2016 from 4Q 2015 (a)

(a) Advance estimate. (r) Revised estimate.

Note: Estimated measures of sampling variability are based on data not adjusted for seasonal variation, and should be used when drawing inferences about both adjusted and not adjusted estimates. Additional information on confidentiality protection, sampling error, nonsampling error, sample design, and definitions may be found at www.census.gov/services/qss/cv.html.

Table A4. Selected Services - Advance Estimated Quarterly Revenue for Employer Firms, Not Seasonally Adjusted

[Estimates are not adjusted for seasonal variation or for price changes and are based on data from the Quarterly Services Survey. For additional information see www.census.gov/services]

2007 NAICS code ¹	Kind of business	Total revenue (millions of dollars)						Percent change				Year to date		
		4Q 2016 (a)	3Q 2016 (r)	2Q 2016 (r)	1Q 2016 (r)	3Q 2015 (r)	3Q 2015 (r)	4Q 2016 from 3Q 2016 (a)	3Q 2016 from 2Q 2016 (r)	4Q 2016 from 3Q 2015 (r)	3Q 2016 from 3Q 2015 (r)	2016 (a)	2015 (r)	2016 from 2015 (a)
	Selected Services Total²	3,617,524	3,533,145	3,471,049	3,357,362	3,409,991	3,357,931	2.4	1.8	6.1	5.2	13,979,080	13,360,611	4.6
22	Utilities³	140,965	154,305	128,480	144,235	133,470	151,154	-8.6	20.1	5.6	2.1	567,985	576,560	-1.5
2211	Electric power generation, transmission and distribution	X	134,135	107,902	109,440	106,420	131,045	X	24.3	X	2.4	X	464,561	X
2212	Natural gas distribution	X	16,335	17,189	31,638	23,608	16,216	X	-5.0	X	0.7	X	98,154	X
2213	Water, sewage and other systems	X	3,835	3,389	3,157	3,442	3,893	X	13.2	X	-1.5	X	13,845	X
48-49	Transportation and warehousing⁴	224,259	225,927	220,901	207,733	219,505	227,676	-0.7	2.3	2.2	-0.8	878,820	876,498	0.3
481	Air transportation	47,975	52,066	50,884	46,166	48,404	53,453	-7.9	2.3	-0.9	-2.6	197,091	200,161	-1.5
483	Water transportation	10,651	12,166	10,424	9,806	10,664	12,188	-12.5	16.7	-0.1	-0.2	43,047	44,003	-2.2
4831	Deep sea, coastal, and Great Lakes water transportation	X	10,123	8,420	7,869	8,353	9,900	X	20.2	X	2.3	X	35,037	X
4832	Inland water transportation	X	2,043	2,004	1,937	2,311	2,288	X	1.9	X	-10.7	X	8,966	X
484	Truck transportation	66,206	68,053	66,119	61,783	66,175	69,461	-2.7	2.9	Z	-2.0	262,161	263,249	-0.4
4841	General freight trucking	X	42,106	41,887	39,856	43,111	44,458	X	0.5	X	-5.3	X	169,531	X
48412	General freight trucking, long-distance	X	35,963	35,630	33,686	36,420	37,588	X	0.9	X	-4.3	X	143,105	X
4842	Specialized freight trucking	X	25,947	24,232	21,927	23,064	25,003	X	7.1	X	3.8	X	93,718	X
485	Transit and ground passenger transportation	9,044	7,706	9,022	8,421	8,628	7,563	17.4	-14.6	4.8	1.9	34,193	34,031	0.5
486	Pipeline transportation	X	10,790	10,732	10,829	10,967	10,765	X	0.5	X	0.2	X	43,764	X
487	Scenic and sightseeing transportation	X	1,288	1,014	634	713	1,357	X	27.0	X	-5.1	X	3,666	X
488	Support activities for transportation	47,456	45,356	44,642	42,330	44,997	46,001	4.6	1.6	5.5	-1.4	179,784	177,816	1.1
492	Couriers and messengers	22,205	20,067	19,898	19,803	20,978	19,126	10.7	0.8	5.8	4.9	81,973	78,424	4.5
493	Warehousing and storage	8,659	8,435	8,166	7,961	7,979	7,762	2.7	3.3	8.5	8.7	33,221	31,384	5.9
51	Information	391,342	363,301	361,735	357,909	375,238	345,192	7.7	0.4	4.3	5.2	1,474,287	1,405,882	4.9
511	Publishing industries (except Internet)	80,682	71,572	73,220	70,972	78,989	70,814	12.7	-2.3	2.1	1.1	296,446	293,771	0.9
51111	Newspaper publishers	X	6,235	6,391	6,078	7,115	6,410	X	-2.4	X	-2.7	X	26,550	X
51112	Periodical publishers	X	6,806	7,093	6,341	7,210	7,101	X	-4.0	X	-4.2	X	28,314	X
5111 pt	Book, directory and mailing list, and other publishers ⁵	X	11,072	10,083	8,744	10,207	11,096	X	9.8	X	-0.2	X	40,566	X
5112	Software publishers	57,153	47,459	49,653	49,809	54,457	46,207	20.4	-4.4	5.0	2.7	204,074	198,341	2.9
512	Motion picture and sound recording industries	27,707	24,863	24,338	27,125	27,631	23,654	11.4	2.2	0.3	5.1	104,033	98,982	5.1
515	Broadcasting (except Internet)	X	38,872	38,482	37,721	40,391	36,027	X	1.0	X	7.9	X	148,462	X
5151	Radio and television broadcasting	X	18,285	17,518	17,463	19,618	16,508	X	4.4	X	10.8	X	69,531	X
5152	Cable and other subscription programming	X	20,587	20,964	20,258	20,773	19,519	X	-1.8	X	5.5	X	78,931	X
517	Telecommunications	157,464	153,287	152,341	151,514	154,821	149,510	2.7	0.6	1.7	2.5	614,606	601,970	2.1
5171	Wired telecommunications carriers	80,146	78,824	79,019	78,621	79,008	75,774	1.7	-0.2	1.4	4.0	316,610	306,384	3.3
5172	Wireless telecommunications carriers (except satellite)	66,279	63,870	62,749	62,447	65,216	63,352	3.8	1.8	1.6	0.8	255,345	254,406	0.4
517 pt	Other telecommunications ⁶	X	10,593	10,573	10,446	10,597	10,384	X	0.2	X	2.0	X	41,180	X
518	Data processing, hosting, and related services	37,898	35,922	35,281	34,212	34,913	32,507	5.5	1.8	8.5	10.5	143,313	129,957	10.3
519	Other information services	45,010	38,785	38,073	36,365	38,493	32,680	16.1	1.9	16.9	18.7	158,233	132,740	19.2
52	Finance and insurance⁷	1,090,993	1,081,828	1,061,685	1,032,909	1,036,087	1,021,329	0.8	1.9	5.3	5.9	4,267,415	4,101,306	4.1
52 pt	Finance and insurance (except monetary authorities-central bank) ⁸	X	1,053,801	1,032,422	1,003,249	1,007,841	991,568	X	2.1	X	6.3	X	3,988,239	X
521	Monetary authorities-central bank	X	28,027	29,263	29,660	28,246	29,761	X	-4.2	X	-5.8	X	113,067	X
522	Credit intermediation and related activities	294,887	295,295	288,041	279,431	280,396	277,717	-0.1	2.5	5.2	6.3	1,157,654	1,104,812	4.8
5221	Depository credit intermediation	X	128,362	124,736	122,038	122,408	120,700	X	2.9	X	6.3	X	482,097	X
5222	Nondepository credit intermediation	X	142,582	140,429	135,564	135,337	134,112	X	1.5	X	6.3	X	531,919	X
5223	Activities related to credit intermediation	X	24,351	22,876	21,829	22,651	22,905	X	6.4	X	6.3	X	90,796	X
523	Securities, commodity contracts, and other financial investments and related activities	X	148,121	146,205	138,188	142,454	143,278	X	1.3	X	3.4	X	586,523	X
5231	Securities and commodity contracts intermediation and brokerage	X	66,135	67,592	59,072	59,911	63,360	X	-2.2	X	4.4	X	255,974	X
5232	Securities and commodity exchanges	X	2,577	2,748	2,913	2,646	2,742	X	-6.2	X	-6.0	X	10,548	X
5239	Other financial investment activities	X	79,409	75,865	76,203	79,897	77,176	X	4.7	X	2.9	X	320,001	X
524	Insurance carriers and related activities	620,429	610,385	598,176	585,630	584,991	570,573	1.6	2.0	6.1	7.0	2,414,620	2,296,904	5.1
5241	Insurance carriers	X	527,307	516,625	506,113	503,843	491,424	X	2.1	X	7.3	X	1,978,903	X
5242	Agencies, brokerages, and other insurance related activities	X	83,078	81,551	79,517	81,148	79,149	X	1.9	X	5.0	X	318,001	X
53	Real estate and rental and leasing	169,414	167,119	162,996	149,763	156,649	156,123	1.4	2.5	8.1	7.0	649,292	602,846	7.7
531	Real estate	118,199	116,585	113,037	103,460	106,732	106,910	1.4	3.1	10.7	9.0	451,281	410,457	9.9
5311	Lessors of real estate	X	65,117	63,500	62,121	62,754	60,243	X	2.5	X	8.1	X	238,379	X
5312	Offices of real estate agents and brokers	X	28,702	28,272	21,008	23,414	26,392	X	1.5	X	8.8	X	92,869	X
5313	Activities related to real estate	X	22,766	21,265	20,331	20,564	20,275	X	7.1	X	12.3	X	79,209	X
532	Rental and leasing services	39,775	40,978	39,813	36,798	39,111	39,361	-2.9	2.9	1.7	4.1	157,364	152,544	3.2
5321	Automotive equipment rental and leasing	X	15,684	14,589	13,023	13,660	14,797	X	7.5	X	6.0	X	55,326	X
53211	Passenger car rental and leasing	X	10,844	9,897	8,771	9,170	9,991	X	9.6	X	8.5	X	37,244	X
53212	Truck, utility trailer, and RV (recreational vehicle) rental and leasing	X	4,840	4,692	4,252	4,490	4,806	X	3.2	X	0.7	X	18,082	X
5322	Consumer goods rental	X	5,368	5,716	5,875	5,778	5,690	X	-6.1	X	-5.7	X	22,792	X
5323	General rental centers	X	S	S	S	S	S	X	S	X	S	X	S	X
5324	Commercial and industrial machinery and equipment rental and leasing	X	19,134	18,805	17,350	19,014	18,156	X	1.7	X	5.4	X	71,807	X
533	Lessors of nonfinancial intangible assets (except copyrighted works)	X	9,556	10,146	9,505	10,806	9,852	X	-5.8	X	-3.0	X	39,845	X
54	Professional, scientific, and technical services⁹	449,457	432,912	435,215	418,182	423,027	413,683	3.8	-0.5	6.2	4.6	1,735,766	1,647,677	5.3
5411	Legal services ⁹	83,706	71,527	71,122	63,891	77,280	72,467	17.0	0.6	8.3	-1.3	290,246	278,296	4.3
5412	Accounting, tax preparation, bookkeeping, and payroll services	37,860	38,894	45,185	49,100	35,599	36,203	-2.7	-13.9	6.4	7.4	171,039	156,015	9.6
5413	Architectural, engineering, and related services	78,697	77,228	75,053	73,210	74,391	73,954	1.9	2.9	5.8	4.4	304,188	293,782	3.5
5413 pt	Architectural and related services ¹⁰	X	18,720	17,662	17,689	17,356	16,904	X	6.0	X	10.7	X	68,265	X
54133	Engineering services	X	58,508	57,391	55,521	57,035	57,050	X	1.9	X	2.6	X	225,517	X
5414	Specialized design services	X	5,663	5,467	5,842	5,696	5,754	X	3.6	X	-1.6	X	22,615	X
5415	Computer systems design and related services	91,346	92,245	90,879	88,409	88,040	86,806	-1.0	1.5	3.8	6.3	362,879	348,245	4.2

Table A4. Selected Services - Advance Estimated Quarterly Revenue for Employer Firms, Not Seasonally Adjusted

[Estimates are not adjusted for seasonal variation or for price changes and are based on data from the Quarterly Services Survey. For additional information see www.census.gov/services]

2007 NAICS code ¹	Kind of business	Total revenue (millions of dollars)						Percent change				Year to date		
		4Q 2016 (a)	3Q 2016 (r)	2Q 2016 (r)	1Q 2016 (r)	4Q 2015 (r)	3Q 2015 (r)	4Q 2016 from 3Q 2016 (a)	3Q 2016 from 2Q 2016 (r)	4Q 2016 from 4Q 2015 (a)	3Q 2016 from 3Q 2015 (r)	2016 (a)	2015 (r)	2016 from 2015 (a)
5416	Management, scientific, and technical consulting services	66,544	64,391	63,865	60,792	62,157	60,544	3.3	0.8	7.1	6.4	255,592	242,066	5.6
5417	Scientific research and development services	X	35,461	36,137	33,125	35,010	33,569	X	-1.9	X	5.6	X	133,552	X
5418	Advertising, public relations, and related services	26,902	26,117	25,822	25,822	24,762	24,679	3.0	1.1	4.0	5.8	103,603	97,457	6.3
5419	Other professional, scientific, and technical services	X	21,386	21,685	19,051	18,999	19,707	X	-1.4	X	8.5	X	75,649	X
56	Administrative and support and waste management and remediation services	226,880	222,186	216,293	204,278	208,865	207,818	2.1	2.7	8.6	6.9	869,637	816,393	6.5
561	Administrative and support services	203,838	198,739	193,191	182,957	186,587	185,021	2.6	2.9	9.2	7.4	778,725	728,883	6.8
5613	Employment services	X	86,444	83,357	82,392	84,677	80,043	X	3.7	X	8.0	X	319,173	X
5615	Travel arrangement and reservation services	X	11,629	10,906	10,278	10,534	10,382	X	6.6	X	12.0	X	40,786	X
561 pt	Other administrative and support services ¹¹	X	100,666	98,928	90,287	91,376	94,596	X	1.8	X	6.4	X	368,924	X
562	Waste management and remediation services	23,042	23,447	23,102	21,321	22,278	22,797	-1.7	1.5	3.4	2.9	90,912	87,510	3.9
61	Educational services ¹²	16,176	16,157	17,624	15,699	15,446	15,302	0.1	-8.3	4.7	5.6	65,656	61,934	6.0
6114	Business schools and computer and management training	X	2,842	3,124	2,920	2,869	2,919	X	-9.0	X	-2.6	X	11,365	X
6115	Technical and trade schools	X	3,709	3,673	3,628	3,662	3,508	X	1.0	X	5.7	X	14,090	X
6116	Other schools and instruction	X	5,738	6,586	5,858	5,569	5,411	X	-12.9	X	6.0	X	22,584	X
6117	Educational support services	X	3,868	4,241	3,293	3,346	3,464	X	-8.8	X	11.7	X	13,895	X
62	Health care and social assistance	630,534	604,410	612,677	592,319	589,470	574,124	4.3	-1.3	7.0	5.3	2,439,940	2,304,000	5.9
	Health care and social assistance - taxable	311,177	300,931	302,262	293,853	293,531	288,481	3.4	-0.4	6.0	4.3	1,208,223	1,138,936	6.1
	Health care and social assistance - tax-exempt	319,357	303,479	310,415	298,466	295,939	285,643	5.2	-2.2	7.9	6.2	1,231,717	1,165,064	5.7
621	Ambulatory health care services	250,663	241,000	242,500	234,601	235,600	231,664	4.0	-0.6	6.4	4.0	968,764	912,343	6.2
	Ambulatory health care services - taxable	226,315	217,370	218,859	211,708	212,587	209,783	4.1	-0.7	6.5	3.6	874,252	824,835	6.0
	Ambulatory health care services - tax-exempt	24,348	23,630	23,641	22,893	23,013	21,881	3.0	Z	5.8	8.0	94,512	87,508	8.0
6211	Offices of physicians	124,907	118,120	119,234	114,306	117,029	114,396	5.7	-0.9	6.7	3.3	476,567	448,260	6.3
6212	Offices of dentists	X	S	S	S	S	S	X	S	X	S	X	S	X
6213	Offices of other health practitioners	X	19,802	19,967	19,458	19,536	19,328	X	-0.8	X	2.5	X	76,076	X
6214	Outpatient care centers	33,954	32,883	32,231	31,251	30,940	29,693	3.3	2.0	9.7	10.7	130,319	118,042	10.4
	Outpatient care centers - taxable	X	17,390	16,736	16,231	16,051	15,693	X	3.9	X	10.8	X	61,843	X
	Outpatient care centers - tax-exempt	X	15,493	15,495	15,020	14,889	14,000	X	Z	X	10.7	X	56,199	X
6215	Medical and diagnostic laboratories	12,520	12,121	12,403	11,943	12,026	11,917	3.3	-2.3	4.1	1.7	48,987	47,975	2.1
6216	Home health care services	X	19,610	19,507	18,782	19,406	18,865	X	0.5	X	3.9	X	74,447	X
	Home health care services - taxable	X	14,774	14,698	14,117	14,543	14,156	X	0.5	X	4.4	X	55,730	X
	Home health care services - tax-exempt	X	4,836	4,809	4,665	4,863	4,709	X	0.6	X	2.7	X	18,717	X
6219	Other ambulatory health care services	9,030	8,719	8,657	8,486	8,574	8,569	3.6	0.7	5.3	1.8	34,892	33,688	3.6
	Other ambulatory health care services - taxable	X	5,418	5,320	5,278	5,313	5,397	X	1.8	X	0.4	X	21,096	X
	Other ambulatory health care services - tax-exempt	X	3,301	3,337	3,208	3,261	3,172	X	-1.1	X	4.1	X	12,592	X
622	Hospitals	272,510	261,757	268,422	259,509	253,016	247,039	4.1	-2.5	7.7	6.0	1,062,198	1,003,499	5.8
	Hospitals - taxable	33,351	32,799	33,017	33,267	32,277	30,660	1.7	-0.7	3.3	7.0	132,434	123,916	6.9
	Hospitals - tax-exempt	239,159	228,958	235,405	226,242	220,739	216,379	4.5	-2.7	8.3	5.8	929,764	879,583	5.7
6221	General medical and surgical hospitals	X	243,592	250,584	241,634	235,371	230,112	X	-2.8	X	5.9	X	934,757	X
	General medical and surgical hospitals - taxable	X	27,074	27,113	27,298	26,503	25,094	X	-0.1	X	7.9	X	101,190	X
	General medical and surgical hospitals - tax-exempt	X	216,518	223,471	214,336	208,868	205,018	X	-3.1	X	5.6	X	833,567	X
6222	Psychiatric and substance abuse hospitals	X	6,524	6,316	6,296	6,096	5,659	X	3.3	X	15.3	X	23,801	X
	Psychiatric and substance abuse hospitals - taxable	X	1,682	1,690	1,665	1,591	1,546	X	-0.5	X	8.8	X	6,215	X
	Psychiatric and substance abuse hospitals - tax-exempt	X	4,842	4,626	4,631	4,505	4,113	X	4.7	X	17.7	X	17,586	X
6223	Specialty (except psychiatric and substance abuse) hospitals	X	11,641	11,522	11,579	11,549	11,268	X	1.0	X	3.3	X	44,941	X
	Specialty (except psychiatric and substance abuse) hospitals - taxable	X	4,043	4,214	4,304	4,183	4,020	X	-4.1	X	0.6	X	16,511	X
	Specialty (except psychiatric and substance abuse) hospitals - tax-exempt	X	7,598	7,308	7,275	7,366	7,248	X	4.0	X	4.8	X	28,430	X
623	Nursing and residential care facilities	60,777	59,123	58,733	56,541	57,212	56,029	2.8	0.7	6.2	5.5	235,174	223,345	5.3
	Nursing and residential care facilities - taxable	39,015	38,292	37,970	36,558	36,684	36,252	1.9	0.8	6.4	5.6	151,835	143,163	6.1
	Nursing and residential care facilities - tax-exempt	21,762	20,831	20,763	19,983	20,528	19,777	4.5	0.3	6.0	5.3	83,339	80,182	3.9
624	Social assistance	46,584	42,530	43,022	41,668	43,642	39,392	9.5	-1.1	6.7	8.0	173,804	164,813	5.5
	Social assistance - taxable	X	12,470	12,416	12,320	11,983	11,786	X	0.4	X	5.8	X	47,022	X
	Social assistance - tax-exempt	X	30,060	30,606	29,348	31,659	27,606	X	-1.8	X	8.9	X	117,791	X
6241	Individual and family services	X	22,604	22,405	21,433	22,205	20,561	X	0.9	X	9.9	X	84,820	X
6242	Community food and housing, and emergency and other relief services	X	7,693	7,862	7,589	8,969	7,170	X	-2.1	X	7.3	X	31,382	X
6243	Vocational rehabilitation services	X	3,316	3,286	3,258	3,262	3,212	X	0.9	X	3.2	X	13,222	X
6244	Child day care services	X	8,917	9,469	9,388	9,206	8,449	X	-5.8	X	5.5	X	35,389	X
	Child day care services - taxable	X	S	S	S	S	S	X	S	X	S	X	S	X
	Child day care services - tax-exempt	X	3,046	3,262	3,229	3,368	2,845	X	-6.6	X	7.1	X	12,537	X
71	Arts, entertainment, and recreation	67,737	66,848	62,380	55,513	61,497	62,567	1.3	7.2	10.1	6.8	252,478	237,482	6.3
	Arts, entertainment, and recreation - taxable	X	55,132	50,349	45,625	50,170	51,681	X	9.5	X	6.7	X	193,631	X
	Arts, entertainment, and recreation - tax-exempt	X	11,716	12,031	9,888	11,327	10,886	X	-2.6	X	7.6	X	43,851	X
711	Performing arts, spectator sports, and related industries	32,565	29,673	25,996	23,215	29,654	27,569	9.7	14.1	9.8	7.6	111,449	104,698	6.4
	Performing arts, spectator sports, and related industries - taxable	X	26,767	22,833	20,519	26,494	24,873	X	17.2	X	7.6	X	93,067	X
	Performing arts, spectator sports, and related industries - tax-exempt	X	2,906	3,163	2,696	3,160	2,696	X	-8.1	X	7.8	X	11,631	X
7111	Performing arts companies	X	3,986	4,026	3,300	4,028	3,931	X	-1.0	X	1.4	X	15,263	X
	Performing arts companies - taxable	X	2,412	2,283	1,896	2,268	2,485	X	5.7	X	-2.9	X	8,948	X
	Performing arts companies - tax-exempt	X	1,574	1,743	1,404	1,760	1,446	X	-9.7	X	8.9	X	6,315	X
7112	Spectator sports	X	11,343	9,934	8,194	12,236	10,904	X	14.2	X	4.0	X	40,095	X
7113	Promoters of performing arts, sports, and similar events	X	7,843	6,358	5,452	6,621	6,667	X	23.4	X	17.6	X	24,538	X
	Promoters of performing arts, sports, and similar events - taxable	X	6,511	4,938	4,160	5,221	5,417	X	31.9	X	20.2	X	19,222	X
	Promoters of performing arts, sports, and similar events - tax-exempt	X	1,332	1,420	1,292	1,400	1,250	X	-6.2	X	6.6	X	5,316	X

Table A4. Selected Services - Advance Estimated Quarterly Revenue for Employer Firms, Not Seasonally Adjusted

[Estimates are not adjusted for seasonal variation or for price changes and are based on data from the Quarterly Services Survey. For additional information see www.census.gov/services]

2007 NAICS code ¹	Kind of business	Total revenue (millions of dollars)						Percent change				Year to date		
		4Q 2016 (a)	3Q 2016 (r)	2Q 2016 (r)	1Q 2016 (r)	4Q 2015 (r)	3Q 2015 (r)	4Q 2016 from 3Q 2016 (a)	3Q 2016 from 2Q 2016 (r)	4Q 2016 from 4Q 2015 (a)	3Q 2016 from 3Q 2015 (r)	2016 (a)	2015 (r)	2016 from 2015 (a)
7114	Agents and managers for artists, athletes, entertainers, and other public figures	X	1,912	1,720	1,552	2,034	1,794	X	11.2	X	6.6	X	7,322	X
7115	Independent artists, writers, and performers	X	4,589	3,958	4,717	4,735	4,273	X	15.9	X	7.4	X	17,480	X
712	Museums, historical sites, and similar institutions	4,419	4,075	4,084	3,126	4,078	3,801	8.4	-0.2	8.4	7.2	15,704	15,168	3.5
	Museums, historical sites, and similar institutions - tax-exempt	X	3,546	3,624	2,804	3,681	3,327	X	-2.2	X	6.6	X	13,641	X
713	Amusement, gambling, and recreation industries	30,753	33,100	32,300	29,172	27,765	31,197	-7.1	2.5	10.8	6.1	125,325	117,616	6.6
	Amusement, gambling, and recreation industries - taxable	X	27,836	27,056	24,784	23,279	26,334	X	2.9	X	5.7	X	99,037	X
	Amusement, gambling, and recreation industries - tax-exempt	X	5,264	5,244	4,388	4,486	4,863	X	0.4	X	8.2	X	18,579	X
7131	Amusement parks and arcades	X	6,311	5,091	3,565	4,029	6,008	X	24.0	X	5.0	X	18,075	X
7132	Gambling industries	X	7,104	7,219	7,505	6,925	6,790	X	-1.6	X	4.6	X	27,923	X
7139	Other amusement and recreation industries	X	19,685	19,990	18,102	16,811	18,399	X	-1.5	X	7.0	X	71,618	X
	Other amusement and recreation industries - taxable	X	14,421	14,746	13,714	12,325	13,536	X	-2.2	X	6.5	X	53,039	X
	Other amusement and recreation industries - tax-exempt	X	5,264	5,244	4,388	4,486	4,863	X	0.4	X	8.2	X	18,579	X
721	Accommodation	58,564	64,556	62,497	55,250	55,584	62,217	-9.3	3.3	5.4	3.8	240,867	231,082	4.2
7211	Traveler accommodation	X	62,228	60,402	53,813	54,401	59,899	X	3.0	X	3.9	X	224,238	X
7212	RV (recreational vehicle) parks and recreational camps	X	1,931	1,814	1,094	846	1,908	X	6.4	X	1.2	X	5,413	X
7213	Rooming and boarding houses	X	397	281	343	337	410	X	41.3	X	-3.2	X	1,431	X
81	Other services (except public administration) ¹³	151,203	133,596	128,566	123,572	135,153	120,746	13.2	3.9	11.9	10.6	536,937	498,951	7.6
811	Repair and maintenance	40,071	40,907	41,777	40,006	39,827	41,267	-2.0	-2.1	0.6	-0.9	162,761	162,955	-0.1
8111	Automotive repair and maintenance	X	26,589	26,801	26,334	25,360	26,283	X	-0.8	X	1.2	X	104,395	X
8112	Electronic and precision equipment repair and maintenance	X	4,463	4,403	3,974	4,296	4,275	X	1.4	X	4.4	X	16,947	X
8113	Commercial and industrial machinery and equipment (except automotive and electronic) repair and maintenance	X	8,010	8,405	8,150	8,485	8,779	X	-4.7	X	-8.8	X	34,270	X
8114	Personal and household goods repair and maintenance	X	1,845	2,168	1,548	1,686	1,930	X	-14.9	X	-4.4	X	7,343	X
812	Personal and laundry services	28,398	27,669	27,451	26,479	26,415	25,351	2.6	0.8	7.5	9.1	109,997	101,406	8.5
8121	Personal care services	X	9,932	9,806	9,263	8,716	8,759	X	1.3	X	13.4	X	34,628	X
8122	Death care services	X	4,709	4,743	4,859	4,755	4,406	X	-0.7	X	6.9	X	18,258	X
8123	Drycleaning and laundry services	X	6,729	6,834	6,613	6,662	6,541	X	-1.5	X	2.9	X	25,986	X
8129	Other personal services	X	6,299	6,068	5,744	6,282	5,645	X	3.8	X	11.6	X	22,534	X
813	Religious, grantmaking, civic, professional, and similar organizations - tax-exempt ¹⁴	X	65,020	59,338	57,087	68,911	54,128	X	9.6	X	20.1	X	234,590	X

(a) Advance estimate. (r) Revised estimate. Z Absolute value is less than .05.

S Estimate does not meet standards because of high variability (coefficient of variation greater than 30%), poor response quality (total quantity response rate is less than 50%) or other concerns about the estimate's quality. Unpublished estimates derived from this table by subtraction are subject to these same limitations and should not be attributed to the U.S. Census Bureau. For a description of publication standards and the total quantity response rate, see www.census.gov/quality/guidelines/index.html.

X Estimate is not available for advance release.

(1) For a full description of the NAICS (North American Industry Classification System) codes used in this table, see the 2007 NAICS manual or www.census.gov/eos/www/naics/.

(2) Includes NAICS 22 (Utilities), NAICS 48-49 (Transportation and warehousing), NAICS 51 (Information), NAICS 52 (Finance and insurance), NAICS 53 (Real estate and rental and leasing), NAICS 54 (Selected professional, scientific, and technical services), NAICS 56 (Administrative and support and waste management and remediation services), NAICS 61 (Educational services), NAICS 62 (Health care and social assistance), NAICS 71 (Arts, entertainment, and recreation), NAICS 721 (Accommodation), and NAICS 81 (Other services (except public administration)). Exclusions listed in footnotes 3, 4, 7, 9, 12, and 13 also apply to the Selected Services Total.

(3) Excludes government owned utilities.

(4) Excludes NAICS 482 (Rail transportation) and 491 (Postal service).

(5) Includes NAICS 51113 (Book publishers), 51114 (Directory and mailing list publishers), and 51119 (Other publishers).

(6) Includes NAICS 5174 (Satellite telecommunications), and 5179 (Other telecommunications).

(7) Excludes NAICS 525 (Funds, trusts, and other financial vehicles).

(8) Excludes NAICS 521 (Monetary authorities-central bank) and NAICS 525 (Funds, trusts, and other financial vehicles).

(9) Excludes NAICS 54112 (Offices of notaries).

(10) Includes all of NAICS 5413 (Architectural, engineering, and related services) except 54133 (Engineering services).

(11) Includes NAICS 5611 (Office administrative services), 5612 (Facilities support services), 5614 (Business support services), 5616 (Investigation and security services), 5617 (Services to buildings and dwellings), and 5619 (Other support services).

(12) Excludes NAICS 6111 (Elementary and secondary schools), 6112 (Junior colleges), and 6113 (Colleges, universities, and professional schools).

(13) Excludes NAICS 8131 (Religious organizations), 81393 (Labor unions and similar labor organizations), 81394 (Political organizations), and 814 (Private households).

(14) Excludes NAICS 8131 (Religious organizations), 81393 (Labor unions and similar labor organizations), and 81394 (Political organizations).

Note: Estimates cover taxable and tax-exempt firms unless otherwise specified. Additionally, estimates for some sectors and subsectors may include data for kinds of business not shown. Table A5 provides estimated measures of sampling variability. Data users who create their own estimates using data from this report should cite the U.S. Census Bureau as the source of the original data only. Additional information on confidentiality protection, sampling error, nonsampling error, sample design, and definitions may be found at www.census.gov/services/qss/cv.html. For NAICS 52, estimates may include unrealized gains (losses).

Table A5. Selected Services - Advance Estimated Measures of Sampling Variability

[Estimates are shown as percents and are based on data from the Quarterly Services Survey]

2007 NAICS code	Kind of business	Coefficient of variation for total revenue						Standard error for percent change				Year to Date		
												Coefficient of variation		Standard error
		4Q 2016 (a)	3Q 2016 (r)	2Q 2016 (r)	1Q 2016 (r)	4Q 2015 (r)	3Q 2015 (r)	4Q 2016 from 3Q 2016 (a)	3Q 2016 from 2Q 2016 (r)	4Q 2016 from 4Q 2015 (a)	3Q 2016 from 3Q 2015 (r)	2016 (a)	2015 (r)	2016 from 2015 (a)
	Selected Services Total	1.3	1.4	1.4	1.4	1.5	1.4	0.2	0.2	0.3	0.2	1.4	1.4	0.2
22	Utilities	4.4	4.5	4.6	3.7	3.9	4.2	0.8	1.0	0.8	0.4	4.3	3.9	0.7
2211	Electric power generation, transmission and distribution	X	5.1	5.4	4.5	4.4	4.7	X	1.0	X	0.6	X	4.5	X
2212	Natural gas distribution	X	4.2	3.1	2.6	2.6	4.1	X	2.2	X	1.5	X	2.8	X
2213	Water, sewage and other systems	X	6.7	6.8	7.6	6.4	7.5	X	0.3	X	2.6	X	7.2	X
48-49	Transportation and warehousing	2.7	2.7	2.7	2.6	2.5	2.8	0.4	0.3	0.8	0.7	2.6	2.7	0.6
481	Air transportation	3.8	4.4	4.3	4.4	4.4	4.1	0.9	0.2	0.6	0.6	4.2	4.2	0.6
483	Water transportation	3.1	3.1	3.2	3.4	3.6	3.2	0.5	1.0	0.7	0.6	3.2	3.5	0.8
4831	Deep sea, coastal, and Great Lakes water transportation	X	3.8	4.2	4.3	4.6	4.1	X	1.0	X	0.8	X	4.6	X
4832	Inland water transportation	X	4.8	3.7	3.4	3.7	4.2	X	1.4	X	0.6	X	3.7	X
484	Truck transportation	7.6	7.9	7.8	7.9	7.5	8.2	0.5	1.0	2.1	1.4	7.8	8.1	1.0
4841	General freight trucking	X	11.9	11.7	11.5	10.9	11.6	X	1.1	X	1.0	X	11.8	X
48412	General freight trucking, long-distance	X	12.5	12.5	12.6	11.8	12.8	X	1.0	X	0.7	X	12.9	X
4842	Specialized freight trucking	X	4.1	3.6	3.6	3.9	3.1	X	1.3	X	3.1	X	3.2	X
485	Transit and ground passenger transportation	5.5	5.5	6.7	5.9	5.6	3.8	1.7	2.2	2.5	2.9	5.7	4.7	1.7
486	Pipeline transportation	X	1.8	1.6	1.4	1.6	1.7	X	0.2	X	0.6	X	3.2	X
487	Scenic and sightseeing transportation	X	10.7	10.0	8.5	7.9	7.5	X	2.8	X	5.7	X	6.6	X
488	Support activities for transportation	6.4	5.9	6.1	5.7	5.1	5.1	1.1	1.5	2.3	1.5	6.0	5.3	1.5
492	Couriers and messengers	1.7	1.6	1.6	1.7	1.9	1.5	0.2	0.2	0.7	1.3	1.7	1.4	1.6
493	Warehousing and storage	6.8	6.0	5.7	6.1	4.5	5.9	1.4	1.4	3.4	1.9	6.0	5.4	1.7
51	Information	1.4	1.4	1.6	1.8	1.7	1.8	0.3	0.3	0.5	0.5	1.5	1.7	0.3
511	Publishing industries (except Internet)	5.3	4.6	5.1	5.3	4.9	4.3	0.9	0.8	1.0	1.1	5.1	4.7	0.7
51111	Newspaper publishers	X	4.9	5.3	5.3	5.3	6.0	X	1.1	X	1.6	X	5.8	X
51112	Periodical publishers	X	3.6	5.0	4.6	4.7	3.9	X	2.3	X	1.6	X	3.9	X
5111 pt	Book, directory and mailing list, and other publishers	X	4.6	5.5	4.8	3.9	3.4	X	1.4	X	4.2	X	3.9	X
5112	Software publishers	6.8	6.0	6.6	7.0	6.4	5.6	1.2	1.1	1.7	1.3	6.6	6.2	1.1
512	Motion picture and sound recording industries	3.9	3.2	3.9	5.5	4.2	3.7	1.7	1.5	1.4	2.3	3.8	3.4	0.8
515	Broadcasting (except Internet)	X	1.4	1.9	1.9	2.2	1.7	X	0.8	X	0.5	X	1.8	X
5151	Radio and television broadcasting	X	2.6	3.3	3.2	3.7	2.7	X	1.9	X	1.0	X	3.0	X
5152	Cable and other subscription programming	X	1.2	1.3	1.3	1.3	1.3	X	0.3	X	0.5	X	1.2	X
517	Telecommunications	1.6	1.7	2.0	2.0	1.8	2.0	0.2	0.3	0.4	0.4	1.8	2.0	0.3
5171	Wired telecommunications carriers	3.2	3.4	3.6	3.8	3.5	3.7	0.3	0.3	0.3	0.4	3.5	3.7	0.3
5172	Wireless telecommunications carriers (except satellite)	2.4	2.6	2.8	2.8	2.7	2.9	0.2	0.3	0.7	0.8	2.6	2.8	0.5
517 pt	Other telecommunications	X	3.6	4.5	3.8	2.9	3.3	X	1.0	X	1.7	X	3.1	X
518	Data processing, hosting, and related services	3.4	3.5	4.0	4.0	3.8	3.6	0.9	0.7	1.6	1.0	3.7	3.7	1.0
519	Other information services	3.8	3.1	3.9	4.8	3.9	4.1	0.9	1.2	2.4	2.0	3.7	4.1	1.6
52	Finance and insurance	5.0	4.8	5.2	4.7	4.6	4.4	0.2	0.6	0.5	0.5	4.9	4.3	0.7
52 pt	Finance and insurance (except monetary authorities-central bank)	X	5.0	5.3	4.9	4.8	4.6	X	0.6	X	0.6	X	4.4	X
521	Monetary authorities-central bank	X	0.0	0.0	0.0	0.0	0.0	X	0.0	X	0.0	X	0.0	X
522	Credit intermediation and related activities	4.3	4.4	4.7	4.5	4.6	4.3	0.4	0.6	1.0	0.5	4.5	4.4	0.5
5221	Depository credit intermediation	X	7.7	8.2	8.3	8.7	7.8	X	1.1	X	1.0	X	8.2	X
5222	Nondepository credit intermediation	X	4.6	4.7	3.7	3.5	3.7	X	0.4	X	1.1	X	3.5	X
5223	Activities related to credit intermediation	X	2.4	2.3	2.1	2.2	2.4	X	0.6	X	1.2	X	2.2	X
523	Securities, commodity contracts, and other financial investments and related activities	X	4.4	3.7	3.5	4.0	3.2	X	1.4	X	1.8	X	3.6	X
5231	Securities and commodity contracts intermediation and brokerage	X	7.2	6.2	5.8	6.7	5.9	X	1.1	X	2.5	X	5.9	X
5232	Securities and commodity exchanges	X	Z	Z	Z	Z	Z	X	Z	X	Z	X	Z	X
5239	Other financial investment activities	X	5.0	3.7	3.5	5.5	4.0	X	2.0	X	1.9	X	4.5	X
524	Insurance carriers and related activities	7.5	7.1	7.8	7.0	6.7	6.6	0.4	0.8	1.1	0.9	7.4	6.3	1.1
5241	Insurance carriers	X	8.3	8.9	7.9	7.8	7.8	X	0.8	X	0.9	X	7.4	X
5242	Agencies, brokerages, and other insurance related activities	X	4.4	4.3	4.6	4.8	5.9	X	1.2	X	1.7	X	5.2	X
53	Real estate and rental and leasing	5.1	5.4	5.2	4.5	4.5	5.5	0.8	0.4	1.2	0.6	5.0	4.8	0.6
531	Real estate	6.9	7.4	7.2	6.4	6.5	7.6	1.1	0.4	1.6	0.8	6.9	7.0	0.8
5311	Lessors of real estate	X	9.4	9.1	8.4	8.8	9.7	X	0.6	X	0.9	X	8.9	X
5312	Offices of real estate agents and brokers	X	11.6	11.9	10.5	10.3	10.6	X	1.7	X	2.0	X	10.8	X
5313	Activities related to real estate	X	6.7	7.0	6.6	5.8	8.3	X	1.8	X	2.9	X	7.3	X
532	Rental and leasing services	4.5	3.9	4.2	4.1	4.4	4.3	1.1	0.7	1.3	1.1	4.1	4.0	0.9
5321	Automotive equipment rental and leasing	X	3.2	3.5	2.7	2.6	2.5	X	0.5	X	1.1	X	2.6	X
53211	Passenger car rental and leasing	X	3.0	3.3	2.3	2.2	1.9	X	0.3	X	1.2	X	2.2	X
53212	Truck, utility trailer, and RV (recreational vehicle) rental and leasing	X	5.1	5.2	4.9	5.0	5.1	X	0.9	X	2.7	X	4.5	X
5322	Consumer goods rental	X	10.9	10.3	9.3	11.4	13.4	X	1.0	X	2.5	X	11.0	X
5323	General rental centers	X	S	S	S	S	S	X	S	X	S	X	S	X
5324	Commercial and industrial machinery and equipment rental and leasing	X	5.7	6.3	5.6	6.4	6.3	X	1.5	X	2.6	X	5.9	X
533	Lessors of nonfinancial intangible assets (except copyrighted works)	X	7.1	7.6	7.4	6.9	7.9	X	1.7	X	1.9	X	7.8	X
54	Professional, scientific, and technical services	2.0	2.2	2.4	2.0	2.1	2.1	0.7	0.5	1.2	1.3	2.1	2.1	1.1
5411	Legal services	3.6	2.7	2.3	2.5	3.5	3.7	1.9	1.7	1.9	2.6	2.7	3.1	1.8
5412	Accounting, tax preparation, bookkeeping, and payroll services	3.4	4.8	4.0	3.7	4.6	3.9	1.7	1.3	1.5	1.7	3.9	3.1	1.1

Table A5. Selected Services - Advance Estimated Measures of Sampling Variability

[Estimates are shown as percents and are based on data from the Quarterly Services Survey]

2007 NAICS code	Kind of business	Coefficient of variation for total revenue						Standard error for percent change				Year to Date		
												Coefficient of variation		Standard error
		4Q 2016 (a)	3Q 2016 (r)	2Q 2016 (r)	1Q 2016 (r)	4Q 2015 (r)	3Q 2015 (r)	4Q 2016 from 3Q 2016 (a)	3Q 2016 from 2Q 2016 (r)	4Q 2016 from 4Q 2015 (a)	3Q 2016 from 3Q 2015 (r)	2016 (a)	2015 (r)	2016 from 2015 (a)
5413	Architectural, engineering, and related services	5.5	5.1	4.8	4.2	4.6	4.6	1.1	1.1	3.3	2.9	4.7	4.7	2.5
5413 pt	Architectural and related services	X	7.8	8.2	8.7	9.3	8.3	X	3.6	X	6.1	X	8.4	X
54133	Engineering services	X	6.1	5.3	5.1	5.3	5.9	X	1.4	X	3.0	X	5.5	X
5414	Specialized design services	X	4.0	3.3	5.8	5.9	6.2	X	2.6	X	5.7	X	5.1	X
5415	Computer systems design and related services	5.1	7.1	7.5	7.6	7.7	7.5	2.5	0.9	3.4	2.4	6.7	7.6	2.1
5416	Management, scientific, and technical consulting services	5.7	5.4	5.2	5.3	5.4	4.9	1.2	0.6	1.7	2.4	5.4	5.3	1.8
5417	Scientific research and development services	X	6.9	6.2	5.9	5.7	5.5	X	1.2	X	3.5	X	5.5	X
5418	Advertising, public relations, and related services	3.3	3.1	3.0	2.9	4.1	4.3	0.7	0.4	1.9	1.8	3.1	4.2	1.6
5419	Other professional, scientific, and technical services	X	6.1	6.2	6.3	7.1	8.1	X	1.5	X	7.1	X	7.3	X
56	Administrative and support and waste management and remediation services	1.3	1.4	1.4	1.6	1.7	1.8	0.6	0.6	1.0	1.3	1.4	1.8	1.2
561	Administrative and support services	1.8	1.9	1.9	2.2	2.2	2.2	0.7	0.7	1.2	1.5	1.9	2.3	1.4
5613	Employment services	X	4.5	3.9	3.8	4.4	3.1	X	1.3	X	2.8	X	3.5	X
5615	Travel arrangement and reservation services	X	8.5	7.1	8.9	6.6	8.5	X	2.2	X	6.9	X	7.9	X
561 pt	Other administrative and support services	X	4.0	3.8	4.0	3.8	3.9	X	0.8	X	1.1	X	4.1	X
562	Waste management and remediation services	3.9	3.7	3.5	3.4	4.0	3.9	1.1	1.1	1.6	1.9	3.6	3.7	1.2
61	Educational services	5.0	4.8	4.6	5.5	4.8	5.3	1.3	0.9	2.0	1.0	4.9	4.5	1.3
6114	Business schools and computer and management training	X	17.5	17.1	17.6	17.3	17.5	X	3.6	X	2.7	X	16.8	X
6115	Technical and trade schools	X	13.7	11.7	11.4	10.4	12.6	X	2.1	X	3.0	X	11.5	X
6116	Other schools and instruction	X	8.4	6.5	7.1	7.6	9.1	X	1.9	X	3.4	X	7.3	X
6117	Educational support services	X	8.1	3.6	3.9	3.4	7.8	X	5.1	X	2.4	X	3.5	X
62	Health care and social assistance	1.9	1.9	2.2	1.9	1.6	1.5	0.6	0.5	1.0	0.7	2.0	1.6	0.8
	Health care and social assistance - taxable	2.4	2.6	2.5	2.5	2.3	2.4	0.4	0.3	0.6	0.8	2.5	2.3	0.7
	Health care and social assistance - tax-exempt	3.0	2.5	3.0	3.2	2.5	2.2	1.1	1.0	1.6	0.8	2.9	2.3	1.0
621	Ambulatory health care services	1.8	2.1	1.9	1.9	1.7	1.8	0.4	0.2	0.7	0.8	1.9	1.7	0.8
	Ambulatory health care services - taxable	2.3	2.4	2.3	2.2	1.9	2.0	0.5	0.3	0.9	1.0	2.3	1.9	1.0
	Ambulatory health care services - tax-exempt	4.5	3.6	3.7	4.0	3.2	4.0	1.3	0.5	2.2	1.7	3.9	3.5	1.5
6211	Offices of physicians	5.3	5.8	5.4	5.4	4.8	4.9	1.1	0.6	1.6	2.0	5.4	4.8	1.8
6212	Offices of dentists	X	S	S	S	S	S	X	S	X	S	X	S	X
6213	Offices of other health practitioners	X	5.2	4.5	4.7	4.5	4.8	X	1.1	X	1.6	X	4.8	X
6214	Outpatient care centers	4.3	3.3	3.4	3.7	3.0	3.4	1.2	1.0	2.1	2.1	3.6	3.1	1.6
	Outpatient care centers - taxable	X	2.5	1.8	1.9	2.0	2.3	X	1.5	X	2.4	X	2.1	X
	Outpatient care centers - tax-exempt	X	5.4	5.6	6.1	4.9	5.8	X	0.8	X	2.6	X	5.1	X
6215	Medical and diagnostic laboratories	4.3	3.9	3.9	3.7	4.1	3.8	1.3	0.7	2.0	1.4	3.9	4.1	1.5
6216	Home health care services	X	4.3	3.8	4.4	4.3	4.6	X	0.9	X	1.6	X	4.5	X
	Home health care services - taxable	X	4.9	4.4	5.0	5.1	5.7	X	1.2	X	2.5	X	5.5	X
	Home health care services - tax-exempt	X	4.1	3.4	3.9	3.6	4.1	X	1.2	X	1.4	X	4.0	X
6219	Other ambulatory health care services	6.1	6.1	6.0	6.0	5.8	5.9	1.0	0.8	1.2	1.2	6.0	5.7	1.2
	Other ambulatory health care services - taxable	X	9.3	9.1	9.2	9.0	9.5	X	1.1	X	1.8	X	9.3	X
	Other ambulatory health care services - tax-exempt	X	7.5	7.4	7.6	7.7	7.4	X	0.9	X	1.2	X	7.3	X
622	Hospitals	3.8	3.4	4.0	3.8	3.3	2.9	1.3	1.1	1.8	1.0	3.7	3.1	1.1
	Hospitals - taxable	10.6	10.8	10.3	10.4	10.4	9.6	0.2	0.4	0.5	1.5	10.5	9.6	1.1
	Hospitals - tax-exempt	4.1	3.4	4.0	4.3	3.4	3.4	1.5	1.3	2.1	1.0	3.8	3.2	1.3
6221	General medical and surgical hospitals	X	3.7	4.4	4.0	3.5	3.2	X	1.2	X	1.1	X	3.4	X
	General medical and surgical hospitals - taxable	X	13.9	13.3	13.5	13.4	12.7	X	0.4	X	2.0	X	12.7	X
	General medical and surgical hospitals - tax-exempt	X	3.7	4.4	4.6	3.8	3.4	X	1.4	X	1.1	X	3.5	X
6222	Psychiatric and substance abuse hospitals	X	9.1	9.5	8.7	8.6	9.1	X	1.0	X	1.2	X	8.6	X
	Psychiatric and substance abuse hospitals - taxable	X	5.4	5.0	4.0	3.3	3.4	X	0.5	X	2.6	X	3.1	X
	Psychiatric and substance abuse hospitals - tax-exempt	X	11.4	12.1	11.2	11.5	12.4	X	1.5	X	1.8	X	11.7	X
6223	Specialty (except psychiatric and substance abuse) hospitals	X	7.0	7.2	7.2	7.1	6.9	X	0.4	X	1.1	X	6.9	X
	Specialty (except psychiatric and substance abuse) hospitals - taxable	X	13.2	13.0	13.3	13.5	12.6	X	0.4	X	2.3	X	12.5	X
	Specialty (except psychiatric and substance abuse) hospitals - tax-exempt	X	5.5	5.5	5.3	5.3	5.2	X	0.6	X	0.7	X	5.2	X
623	Nursing and residential care facilities	4.6	4.9	4.4	4.7	4.7	5.0	1.2	0.8	1.3	1.1	4.6	4.7	0.9
	Nursing and residential care facilities - taxable	6.3	6.6	5.7	6.2	6.4	7.1	1.8	1.2	1.6	1.3	6.2	6.5	1.0
	Nursing and residential care facilities - tax-exempt	2.6	2.6	2.9	2.6	2.6	2.3	0.5	0.5	0.9	1.0	2.6	2.5	0.8
624	Social assistance	2.9	1.9	2.2	2.5	2.4	2.5	1.4	1.2	1.1	0.9	2.3	2.3	0.5
	Social assistance - taxable	X	9.3	10.1	10.5	10.1	9.1	X	2.5	X	1.9	X	9.2	X
	Social assistance - tax-exempt	X	4.3	4.4	4.8	4.6	4.8	X	1.4	X	1.0	X	4.4	X
6241	Individual and family services	X	1.8	1.9	2.5	2.4	2.4	X	1.6	X	1.5	X	1.9	X
6242	Community food and housing, and emergency and other relief services	X	5.0	4.2	4.7	3.5	4.3	X	3.7	X	4.6	X	4.0	X
6243	Vocational rehabilitation services	X	8.0	9.1	10.1	9.6	8.5	X	1.5	X	1.4	X	9.2	X
6244	Child day care services	X	7.2	6.8	5.9	6.2	7.2	X	3.0	X	3.1	X	6.1	X
	Child day care services - taxable	X	S	S	S	S	S	X	S	X	S	X	S	X
	Child day care services - tax-exempt	X	14.6	12.3	11.9	13.5	14.2	X	11.3	X	2.8	X	12.2	X
71	Arts, entertainment, and recreation	3.6	3.5	3.3	2.9	2.7	2.5	1.7	1.6	1.8	1.6	3.1	2.5	1.3
	Arts, entertainment, and recreation - taxable	X	3.8	3.8	3.5	3.5	2.9	X	1.8	X	1.7	X	3.1	X
	Arts, entertainment, and recreation - tax-exempt	X	4.3	3.8	4.6	3.0	3.7	X	2.0	X	3.1	X	3.1	X

Table A5. Selected Services - Advance Estimated Measures of Sampling Variability

[Estimates are shown as percents and are based on data from the Quarterly Services Survey]

2007 NAICS code	Kind of business	Coefficient of variation for total revenue						Standard error for percent change				Year to Date		
												Coefficient of variation		Standard error
		4Q 2016 (a)	3Q 2016 (r)	2Q 2016 (r)	1Q 2016 (r)	4Q 2015 (r)	3Q 2015 (r)	4Q 2016 from 3Q 2016 (a)	3Q 2016 from 2Q 2016 (r)	4Q 2016 from 4Q 2015 (a)	3Q 2016 from 3Q 2015 (r)	2016 (a)	2015 (r)	2016 from 2015 (a)
711	Performing arts, spectator sports, and related industries	4.4	3.9	5.0	3.4	4.5	3.0	2.2	4.0	2.1	2.3	3.8	3.7	1.5
	Performing arts, spectator sports, and related industries - taxable	X	4.3	5.6	3.8	5.1	3.4	X	4.3	X	2.5	X	4.1	X
	Performing arts, spectator sports, and related industries - tax-exempt	X	3.6	4.7	4.5	3.8	4.7	X	6.1	X	3.0	X	2.7	X
7111	Performing arts companies	X	10.6	7.8	6.1	8.5	9.5	X	5.7	X	7.1	X	8.2	X
	Performing arts companies - taxable	X	14.9	12.7	8.8	12.0	10.9	X	6.5	X	10.8	X	10.4	X
	Performing arts companies - tax-exempt	X	6.0	6.8	6.8	6.7	8.4	X	5.7	X	4.2	X	6.5	X
7112	Spectator sports	X	9.2	12.1	11.4	8.6	6.5	X	10.0	X	4.4	X	7.5	X
7113	Promoters of performing arts, sports, and similar events	X	2.2	4.4	7.1	3.9	2.2	X	4.9	X	2.1	X	3.5	X
	Promoters of performing arts, sports, and similar events - taxable	X	2.7	6.3	8.8	5.2	3.4	X	5.6	X	2.6	X	4.8	X
	Promoters of performing arts, sports, and similar events - tax-exempt	X	11.6	7.5	4.8	4.3	12.1	X	10.9	X	3.1	X	4.3	X
7114	Agents and managers for artists, athletes, entertainers, and other public figures	X	11.7	11.9	9.8	10.1	5.8	X	5.8	X	8.4	X	7.0	X
7115	Independent artists, writers, and performers	X	10.0	12.5	9.8	13.0	10.9	X	6.5	X	4.0	X	10.4	X
712	Museums, historical sites, and similar institutions	4.5	5.0	3.4	5.0	3.0	5.7	2.5	2.8	4.3	3.9	4.2	3.8	1.9
	Museums, historical sites, and similar institutions - tax-exempt	X	5.6	4.0	5.8	3.4	6.2	X	3.1	X	4.0	X	4.0	X
713	Amusement, gambling, and recreation industries	5.4	5.3	4.3	5.0	4.6	4.1	1.9	1.5	1.9	1.6	4.9	4.4	1.4
	Amusement, gambling, and recreation industries - taxable	X	5.8	5.1	5.7	5.2	4.6	X	1.1	X	1.7	X	5.0	X
	Amusement, gambling, and recreation industries - tax-exempt	X	7.5	6.7	9.1	7.9	7.0	X	4.7	X	4.4	X	7.1	X
7131	Amusement parks and arcades	X	5.2	4.0	4.8	3.8	4.8	X	2.9	X	2.0	X	3.8	X
7132	Gambling industries	X	12.1	11.5	11.6	11.3	11.3	X	1.0	X	2.2	X	11.3	X
7139	Other amusement and recreation industries	X	7.6	6.1	6.3	6.4	6.4	X	2.6	X	3.2	X	6.4	X
	Other amusement and recreation industries - taxable	X	9.2	7.6	7.8	7.9	8.2	X	2.4	X	4.6	X	8.3	X
	Other amusement and recreation industries - tax-exempt	X	7.5	6.7	9.1	7.9	7.0	X	4.7	X	4.4	X	7.1	X
721	Accommodation	3.1	3.5	3.5	2.7	3.3	3.3	0.5	0.9	1.3	0.8	3.1	3.0	0.6
7211	Traveler accommodation	X	3.5	3.4	2.7	3.2	3.2	X	0.8	X	0.9	X	3.0	X
7212	RV (recreational vehicle) parks and recreational camps	X	6.3	7.1	3.9	5.3	6.6	X	6.4	X	2.6	X	5.2	X
7213	Rooming and boarding houses	X	16.3	21.0	16.7	23.2	25.1	X	7.6	X	7.2	X	21.6	X
81	Other services (except public administration)	2.4	2.0	2.2	2.6	2.3	2.3	0.9	0.9	1.3	1.8	2.2	1.8	0.8
811	Repair and maintenance	4.5	3.9	3.6	3.7	3.9	3.4	1.4	0.9	1.0	1.5	3.9	3.8	0.9
8111	Automotive repair and maintenance	X	6.5	6.4	5.2	6.4	4.9	X	1.6	X	2.7	X	5.3	X
8112	Electronic and precision equipment repair and maintenance	X	16.7	17.1	14.2	14.4	15.3	X	1.3	X	2.3	X	14.2	X
8113	Commercial and industrial machinery and equipment (except automotive and electronic) repair and maintenance	X	9.9	9.0	10.0	10.1	8.4	X	2.3	X	3.7	X	8.6	X
8114	Personal and household goods repair and maintenance	X	15.6	16.3	13.7	12.2	13.7	X	2.9	X	5.4	X	13.2	X
812	Personal and laundry services	4.1	4.3	4.5	4.7	3.6	4.3	1.1	0.6	1.4	2.1	4.3	4.0	1.6
8121	Personal care services	X	9.7	9.9	9.2	8.2	8.8	X	2.0	X	3.6	X	8.2	X
8122	Death care services	X	8.1	8.0	9.8	9.8	8.9	X	1.6	X	3.5	X	8.6	X
8123	Drycleaning and laundry services	X	9.5	9.5	9.4	8.7	8.5	X	1.1	X	5.2	X	8.4	X
8129	Other personal services	X	7.2	7.4	6.7	7.6	7.5	X	2.0	X	4.4	X	6.7	X
813	Religious, grantmaking, civic, professional, and similar organizations - tax-exempt	X	3.3	3.4	3.0	3.5	3.8	X	2.3	X	4.1	X	2.8	X

(a) Advance estimate. (r) Revised estimate. Z Absolute value is less than .05.

S Corresponding estimate in Table A4 does not meet publication standards because of high sampling variability, poor response quality or other concerns about the estimate's quality.

X Estimate in Table A4 is not available for advance release.

 Note: Estimated measures of sampling variability are based on data not adjusted for seasonal variation, and should be used when drawing inferences about both adjusted and not adjusted estimates. Additional information on confidentiality protection, sampling error, nonsampling error, sample design, and definitions may be found at www.census.gov/services/qss/cv.html.

EXPLANATORY NOTES

Survey Description

The U.S. Census Bureau conducts the Quarterly Services Survey to provide national estimates of quarterly revenue for employer firms located in the United States and classified in select service industries. The current total sample size is approximately 19,500 employer firms.

Each quarter, questionnaires are mailed to a probability sample of employer firms selected from the larger Service Annual Survey and Annual Retail Trade Survey samples. The QSS sample includes firms of all sizes and is updated on a quarterly basis to account for new services businesses, deaths, and other changes to the survey universe. Data for nonresponding firms are imputed based on data for similar-sized firms classified in the same kind of business. The following table lists imputation rates of total quarterly revenue for the industries published in the QSS:

2007 NAICS Code	Kind of Business	Imputation Rate of Total Quarterly Revenue (in %)
	Selected Services Total	36
22	Utilities	39
48-49	Transportation and warehousing	29
51	Information	28
52	Finance and insurance	28
53	Real estate and rental and leasing	42
54	Professional, scientific, and technical services	44
56	Administrative and support and waste management and remediation services	46
61	Educational services	49
62	Health care and social assistance	44
71	Arts, entertainment, and recreation	43
721	Accommodation	41
81	Other services (except public administration)	45

Quarterly revenue estimates are obtained by summing weighted data (either reported or imputed), where the weight for a particular unit is the reciprocal of its probability of being selected into the sample. The estimates are benchmarked using results of the latest SAS and ARTS. Additional information on the QSS can be found on the Census Bureau website at <www.census.gov/services/>.

Reliability of the Estimates

The estimates in this report may differ from the actual, but unknown, population values. For a particular estimate, statisticians define this difference as the total error of the estimate. When describing the accuracy

Data Inquiries

Economic Indicators Division, Services Indicator Branch
301-763-2960
sssd.qss@census.gov

Media Inquiries

Public Information Office
301-763-3030
pio@census.gov



U.S. Department of Commerce
Economics and Statistics Administration
U.S. CENSUS BUREAU
census.gov

of survey results, it is convenient to discuss total error as the sum of sampling error and nonsampling error. Nonsampling error is the difference between the actual population parameter and the value that would be derived by surveying the entire set of units identified as the survey universe (the sampling frame). There are many potential contributors to nonsampling error – the inclusion of erroneous units in the survey (overcoverage), the exclusion of eligible units from the survey (undercoverage), nonresponse, misreporting, mistakes in recording and coding responses, misinterpretation of questions, and other errors of collection, response, coverage, or processing. Though nonsampling error is not measured directly, the Census Bureau employs quality control procedures throughout the process to minimize this type of error. Sampling error is the average difference between the estimate and the result that would be obtained from a complete enumeration of the sampling frame conducted under the same survey conditions. This error occurs because only a subset of the entire sampling frame is measured in a sample survey. Common measures of sampling error are the sampling variance, the standard error, and the coefficient of variation. The sampling variance is defined as the squared difference, averaged over all possible samples of the same size and design, between the estimator and its average value. The standard error is the square root of the sampling variance. The CV expresses the standard error as a percentage of the estimate to which it refers. For example, an estimate of 200 units that has an estimated standard error of 10 units has an estimated CV of 5 percent. The sampling variance, standard error, and CV of an estimate can be estimated from the selected sample because the sample was selected using probability sampling. Standard errors and coefficients of variation are given in Tables A2 and A5 of this report.

The first page of this release gives statements about the change in revenue from a prior period. Each change estimate is accompanied by a number in parentheses, called the “margin of error.” The margin of error can be used to construct a 90-percent confidence interval, which is interpreted as follows. If, for each possible sample, an estimate and its approximate standard error are obtained, then for approximately 90 percent of the possible samples, the interval from 1.895 standard errors below to 1.895 standard errors above the estimate would include the average of the estimates derived from all possible samples. If, for example, a particular change estimate is +1.2 percent and its associated margin of error is ± 1.5 percentage points, then the 90-percent confidence interval for the change estimate is -0.3 percent to +2.7 percent. If the interval contains 0, then one does not have sufficient evidence to conclude at the 90-percent confidence level that the actual change is different from zero. Each comparison stated in this report has undergone statistical testing and is significant at the 90-percent confidence level, unless otherwise noted. Data users should take into account the estimates of sampling error and the potential effects of nonsampling error when using the statistics in this publication.

Additional information regarding the methodology used in conducting this survey is available at www.census.gov/services/qss/qstechdoc.

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Data Inquiries

Economic Indicators Division, Services Indicator Branch
301-763-2960
sssd.qss@census.gov

Media Inquiries

Public Information Office
301-763-3030
pio@census.gov



U.S. Department of Commerce
Economics and Statistics Administration
U.S. CENSUS BUREAU
census.gov